

Substitute for form 1449A/PTO **COPIE** FEB 27 2003

**INFORMATION DISCLOSURE STATEMENT BY APPLICANT**  
(use as many sheets as necessary)

Application Number	09/895,501
Filing Date	6/29/2001
First Named Inventor:	Donald Craig Foster
Examiner name: D. Graybill	GROUP: 2827

Sheet 1 of 1 Attorney Docket Number M-11315

**U.S. PUBLISHED APPLICATION DOCUMENTS**

Examiner Initials*	Cited No. <sup>1</sup>	U.S. Patent Document Number Kind Code <sup>2</sup> (if known)	Name of Patentee or Applicant of Cited Document	Date of Publication of Cited Document MM-DD-YYYY	Pages, Columns, Lines Where Relevant Info. Appear

**U.S. PATENT DOCUMENTS**

Examiner Initials*	Cited No. <sup>1</sup>	U.S. Patent Document Number Kind Code <sup>2</sup> (if known)	Name of Patentee or Applicant of Cited Document	Date of Publication of Cited Document MM-DD-YYYY	Pages, Columns, Lines Where Relevant Info. Appear
(C)		5767480	Anglin et al.	6/16/1998	

**FOREIGN PATENT DOCUMENTS**

Examiner Initials*	Cited No. <sup>1</sup>	Foreign Patent Document Office <sup>3</sup> Number <sup>4</sup> Kind Code <sup>5</sup> (if known)	Name of Patentee or Applicant of Cited Document	Date of Publication of Cited Document MM-DD-YYYY	Pages, Columns, Lines Where Relevant Info. Appear	T <sup>6</sup>

**OTHER DOCUMENTS (Including Author, Title, Date, Pertinent Pages, Etc.)**

EXAMINER	gmj	DATE CONSIDERED	5-13-3
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\*EXAMINER: Initial if reference considered, whether or not citation is in conformance with MPEP 609; draw line through citation if not in conformance and not considered. Include copy of this form with next communication to applicant.

<sup>1</sup>Unique citation designation number. <sup>2</sup>See attached Kinds of U.S. Patent Documents. <sup>3</sup>Enter Office that issued the document by the two-letter code (WIPO Standard ST.3). <sup>4</sup>For Japanese patent documents, the indication of the year of the reign of the Emperor must precede the serial number of the patent document. <sup>5</sup>Kind of document by the appropriate symbols as indicated on the document under WIPO Standard ST. 16 if possible. <sup>6</sup>Applicant is to place a check mark here if English language Translation is attached.

U.S. Department of Commerce, Patent and Trademark Office

Atty Docket No.

Application No.

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M-11315 US

09/895,501

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Applicant(s)

Foster et al.

Filing Date

Group

June 29, 2001

2811

## U.S. Patent Documents

*Examiner Initial		Document Number	Date	Name	Class	Subclass	Filing Date If Appropriate
②	BC	6,356,453	12-Mar-02	Juskey et al.			
	BD	6,369,454	9-Apr-02	Chung			
	BE	6,389,687	21-May-02	Glenn et al.			
	BF	6,389,689	21-May-02	Heo			
	BG	6,396,043	28-May-02	Glenn et al.			
	BH	6,399,418	4-Jun-02	Glenn et al.			
	BI	6,399,463	4-Jun-02	Glenn et al.			
	BJ	6,406,934	18-Jun-02	Glenn et al.			
	BK	6,407,381	18-Jun-02	Glenn et al.			
	BL	6,407,458	18-Jun-02	Huemoeller			
	BM	6,417,576	9-Jul-02	Ellenberger et al.			
	BN	6,420,201	16-Jul-02	Webster			
	BO	6,420,776	16-Jul-02	Glenn et al.			
	BP	6,424,315	23-Jul-02	Glenn et al.			
	BQ	6,428,641	6-Aug-02	Yoon et al.			
	BR	6,432,737	13-Aug-02	Webster			
	BS	6,441,503	27-Aug-02	Webster			
	BT	6,441,504	27-Aug-02	Glenn et al.			
	BU	6,444,499	3-Sep-02	Swiss et al.			
	BV	6,448,506	10-Sep-02	Glenn et al.			
	BW	6,448,633	10-Sep-02	Yee et al.			
	BX	6,455,774	24-Sep-02	Webster			
	BY	6,455,927	24-Sep-02	Glenn et al.			
	BZ	6,459,147	1-Oct-02	Crowley et al.			
	CA	6,465,329	15-Oct-02	Glenn			
	CB	6,476,331	5-Nov-02	Kim et al.			
	CC	6,476,476	5-Nov-02	Glenn			

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J	AA	5,328,870	12-Jul-94	Marrs			
	AB	5,355,283	11-Oct-94	Marrs et al.			
	AC	5,378,869	3-Jan-95	Marrs et al.			
	AD	5,455,462	3-Oct-95	Marrs			
	AE	5,478,007	26-Dec-95	Marrs			
	AF	5,483,100	9-Jan-96	Marrs et al.			
	AG	5,583,378	10-Dec-96	Marrs et al.			
	AH	5,635,671	3-Jun-97	Freyman et al.			
	AI	5,641,987	24-Jun-97	Lee			
	AJ	5,701,034	23-Dec-97	Marrs			
	AK	5,722,161	3-Mar-98	Marrs			
	AL	5,829,988	3-Nov-98	McMillan et al.			
	AM	5,852,870	29-Dec-98	Freyman et al.			
	AN	5,854,511	29-Dec-98	Shin et al.			
	AO	5,864,470	26-Jan-99	Shim et al.			
	AP	5,915,169	22-Jun-99	Heo			
	AQ	5,981,314	9-Nov-99	Glenn et al.			
	AR	6,150,193	21-Nov-00	Glenn			
	AS	6,214,644	10-Apr-01	Glenn			
	AT	6,226,197	24-Jul-01	Glenn et al.			
	AU	6,228,676	8-May-01	Glenn et al.			
	AV	6,258,629	10-Jul-01	Niones et al.			
	AW	6,309,943	30-Oct-01	Glenn et al.			
	AX	6,329,606	11-Dec-01	Freyman et al.			
	AY	6,331,451	18-Dec-01	Fusaro et al.			
	AZ	6,338,985	15-Jan-02	Greenwood			
	BA	6,339,252	15-Jan-02	Niones et al.			
G	BB	6,342,406	29-Jan-02	Glenn et al.			

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Applicants

Donald Craig Foster, Kelly Robbins  
McKendrick, Sr.

Filing Date

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## U.S. Patent Documents

*Examiner Initial	Document Number	Date	Name	Class	Subclass	Filing Date If Appropriate
✓	AA 6,025,640	2/15/00	Yagi, et al.	257	666	
	AB 6,198,171 B1	3/6/01	Huang, et al.	257	787	
	AC 6,242,281 B1	6/5/01	McLellan, et al.	438	106	
	AD 6,281,568 B1	8/28/01	Glenn, et al.	257	684	
✓	AE 6,225,146 B1	5/1/01	Yamaguchi, et al.	438	123	
	AF					
	AG					
	AH					
	AI					
	AJ					
	AK					

## Foreign Patent Documents

Document	Date	Country	Class	Subclass	Translation
AL 6-92076 w/Eng. Abstract	4/5/94	Japan	H01L	23/00	Yes No
AM 99/67821 WO	12/29/99	PCT	H01L	23/495	X
AN					
AO					
AP					

## OTHER ART (Including Author, Title, Date, Pertinent Pages, Etc.)

AQ

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U.S. Patent Documents

*Examiner Initial	Document Number	Date	Name	Class	Subclass	Filing Date If Appropriate
G	AA 5,864,173	1/26/99	Fogelson	257	666	
	AB 5,994,768	11/30/99	Fogelson	257	666	
	AC 6,087,204	7/11/00	Fogelson	438	123	
	AD 6,229,200 B1	5/8/01	McLellan, et al.	257	666	
	AE 5,521,429	5/28/96	Aono, et al.	257	676	
	AF 6,143,981	11/7/00	Glenn	174	52.4	
	AG 5,977,613	11/2/99	Takata, et al.	257	666	
	AH 5,859,471	1/12/99	Kuraishi, et al.	257	666	
	AI 5,977,630	11/2/99	Woodworth, et al.	257	712	
	AJ 4,707,724	11/17/87	Suzuki, et al.	357	71	
G	AK 6,130,115	10/10/00	Okumura, et al.	438	124	

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Document	Date	Country	Class	Subclass	Translation
					Yes No
G AL 9-8205	1/10/97	Japan	H01L	23/50	X
AM 9-8206	1/10/97	Japan	H01L	23/50	X
AN 9-8207	1/10/97	Japan	H01L	23/50	X
AO 9-92775	4/4/97	Japan	H01L	23/50	X
G AP 55-163868 w/ Eng. Abstract	12/20/80	Japan	H01L	23/48	X

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AQ	"Microstructured Solder Mask by Means of Laser," IBM Technical Disclosure Bulletin, November 1993, Volume 36, Issue 11, page 589.
AR	
AS	

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Applicants: Donald Craig Foster, et al.

Filing Date: June 29, 2001

Group: Unknown

U.S. Patent Documents

Examiner's Initial	Document Number	Date	Name	Class	Subclass	Filing Date If Appropriate
AA	5,462,624	10/31/95	Kwon	156	257	
AB	5,723,899	03/03/98	Shin	257	666	
AC	5,864,173	01/26/99	Fogelson	257	666	
AD	5,929,513	07/27/99	Asano et al.	257	675	
AE	5,994,768	11/30/99	Fogelson	257	666	
AF	6,087,204	07/11/00	Fogelson	438	123	
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AH						
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AJ						
AK						
AL						

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AM					Yes No
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Applicants: Donald Craig Foster and

(Use several sheets if necessary)

Kelly Robbins McKendrick, Sr.

Filing Date: 6/29/01

Group

## U.S. Patent Documents

*Examiner Initial		Document Number	Date	Name	Class	Subclass	Filing Date If Appropriate
<u>G</u>	AA	5,521,429	05/28/96	Aono et al.	257	676	
	AB	5,977,630	11/02/99	Woodworth et al.	257	712	
	AC	6,025,640	02/15/00	Yagi et al.	257	666	
	AD	6,130,115	10/10/00	Okumura et al.	438	124	
	AE	6,143,981	11/07/00	Glenn	174	52.4	
	AF	6,198,171 B1	03/06/01	Huang et al.	257	787	
	AH	6,225,146 B1	05/01/01	Yamaguchi et al.	438	123	
	AG	6,229,200 B1	05/08/01	McLellan et al.	257	666	
	AI	6,242,281 B1	06/05/01	McLellan et al.	438	106	
<u>A</u>	AJ	6,281,568 B1	08/28/01	Glenn et al.	257	684	

## Foreign Patent Documents

							Translation	
		Document	Date	Country	Class	Subclass	Yes	No
<u>A</u>	AK	59-227143	12/20/84	Japan			X	
	AL	60-195957	10/04/85	Japan			X	
	AM	DE19734794A1	07/16/98	Germany				X
	AN	EP0794572A2	10/09/97	Europe			X	
	AO	7-312405	11/28/95	Japan			X	
	AP	8-125066	05/17/96	Japan			X	
	AQ	8-306853	11/22/96	Japan			X	
	AR	9-8205	01/10/97	Japan			X	
	AS	9-8206	01/10/97	Japan			X	
	AT	9-8207	01/10/97	Japan			X	
<u>G</u>	AU	9-92775	04/04/97	Japan			X	

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